

JSON - OBJECTS

http://www.tutorialspoint.com/json/json_objects.htm

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Creating Simple Objects

JSON objects can be created with Javascript. Let's us see various ways of creating JSON objects using Javascript:

- Creation of an empty Object:

```
var JSONObj = {};
```

- Creation of new Object:

```
var JSONObj = new Object();
```

- Creation of an object with attribute **bookname** with value in string, attribute **price** with numeric value. Attributes is accessed by using '.' Operator:

```
var JSONObj = { "bookname ":"VB BLACK BOOK", "price":500 };
```

This is an example which shows creation of an object in javascript using JSON, save the below code as **json_object.htm**:

```
<html>
<head>
<title>Creating Object JSON with JavaScript</title>
<script language="javascript" >

    var JSONObj = { "name" : "tutorialspoint.com", "year" : 2005 };
    document.write("<h1>JSON with JavaScript example</h1>");
    document.write("<br>");
    document.write("<h3>Website Name="+JSONObj.name+"</h3>");
    document.write("<h3>Year="+JSONObj.year+"</h3>");

</script>
</head>
<body>
</body>
</html>
```

Now let's try to open [json_object.htm](#) using IE or any other javascript enabled browser, this produces the following result:

JSON with JavaScript example

Website Name=tutorialspoint.com

Year=2005

Creating Array Objects

Below example shows creation of an array object in javascript using JSON, save the below code as **json_array_object.htm**:

```
<html>
<head>
<title>Creation of array object in javascript using JSON</title>
<script language="javascript" >

document.writeln("<h2>JSON array object</h2>");

var books = { "Pascal" : [
    { "Name" : "Pascal Made Simple", "price" : 700 },
    { "Name" : "Guide to Pascal", "price" : 400 }
],
  "Scala" : [
    { "Name" : "Scala for the Impatient", "price" : 1000 },
    { "Name" : "Scala in Depth", "price" : 1300 }
  ]
}

var i = 0
document.writeln("<table border='2'><tr>");
for(i=0;i<books.Pascal.length;i++)
{
    document.writeln("<td>");
    document.writeln("<table border='1' width=100 >");
    document.writeln("<tr><td><b>Name</b></td><td width=50>"
+ books.Pascal[i].Name+"</td></tr>");
    document.writeln("<tr><td><b>Price</b></td><td width=50>"
+ books.Pascal[i].price+"</td></tr>");
    document.writeln("</table>");
    document.writeln("</td>");
}

for(i=0;i<books.Scala.length;i++)
{
    document.writeln("<td>");
    document.writeln("<table border='1' width=100 >");
    document.writeln("<tr><td><b>Name</b></td><td width=50>"
+ books.Scala[i].Name+"</td></tr>");
    document.writeln("<tr><td><b>Price</b></td><td width=50>"
+ books.Scala[i].price+"</td></tr>");
    document.writeln("</table>");
    document.writeln("</td>");
}
document.writeln("</tr></table>");
</script>
</head>
<body>
</body>
</html>
```

Now let's try to open [json_array_object.htm](#) using IE or any other javascript enabled browser, this produces the following result:

JSON array object

<table><tr><td>Name</td><td>Pascal Made Simple</td></tr><tr><td>Price</td><td>700</td></tr></table>	Name	Pascal Made Simple	Price	700	<table><tr><td>Name</td><td>Guide to Pascal</td></tr><tr><td>Price</td><td>400</td></tr></table>	Name	Guide to Pascal	Price	400	<table><tr><td>Name</td><td>Scala for the Impatient</td></tr><tr><td>Price</td><td>1000</td></tr></table>	Name	Scala for the Impatient	Price	1000	<table><tr><td>Name</td><td>Scala in Depth</td></tr><tr><td>Price</td><td>1300</td></tr></table>	Name	Scala in Depth	Price	1300
Name	Pascal Made Simple																		
Price	700																		
Name	Guide to Pascal																		
Price	400																		
Name	Scala for the Impatient																		
Price	1000																		
Name	Scala in Depth																		
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